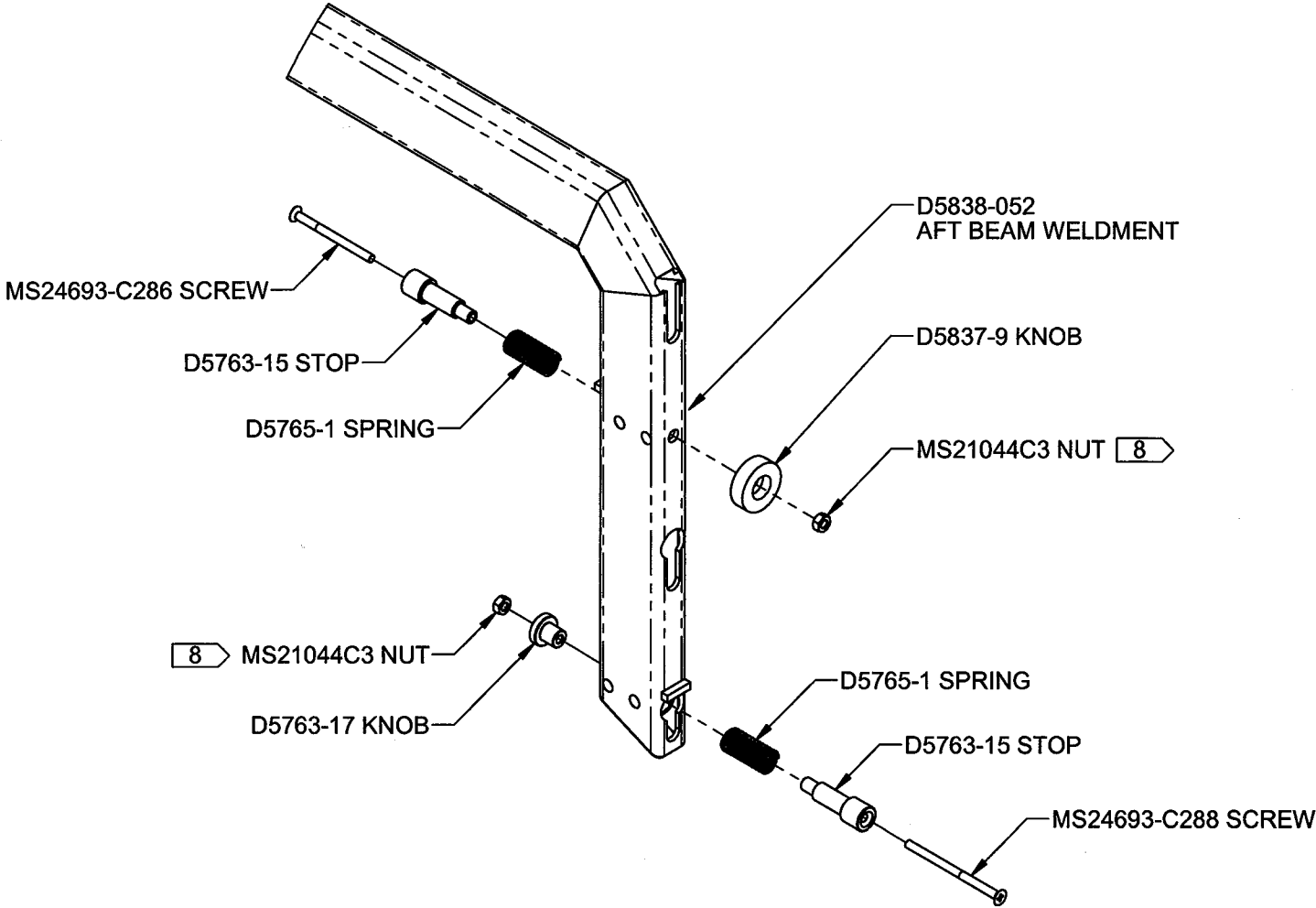


| QTY -042 | P/N | DESCRIPTION |
|-------------|--------------|--------------------|
| X | D5838-042 | AFT BEAM ASSEMBLY |
| 1 | D5838-052 | AFT BEAM WELDMENT |
| 2 | D5763-15 | STOP |
| 1 | D5763-17 | KNOB |
| 2 | D5765-1 | SPRING |
| 1 | D5837-9 | KNOB |
| 1 | MS24693-C286 | SCREW, COUNTERSUNK |
| 1 | MS24693-C288 | SCREW, COUNTERSUNK |
| 2 | MS21044C3 | NUT, SELF-LOCKING |



DETAIL A
SCALE 1.25X

D5838-042 AFT BEAM ASSEMBLY
(DERIVED FROM AERO DESIGN P/N 69831-02)

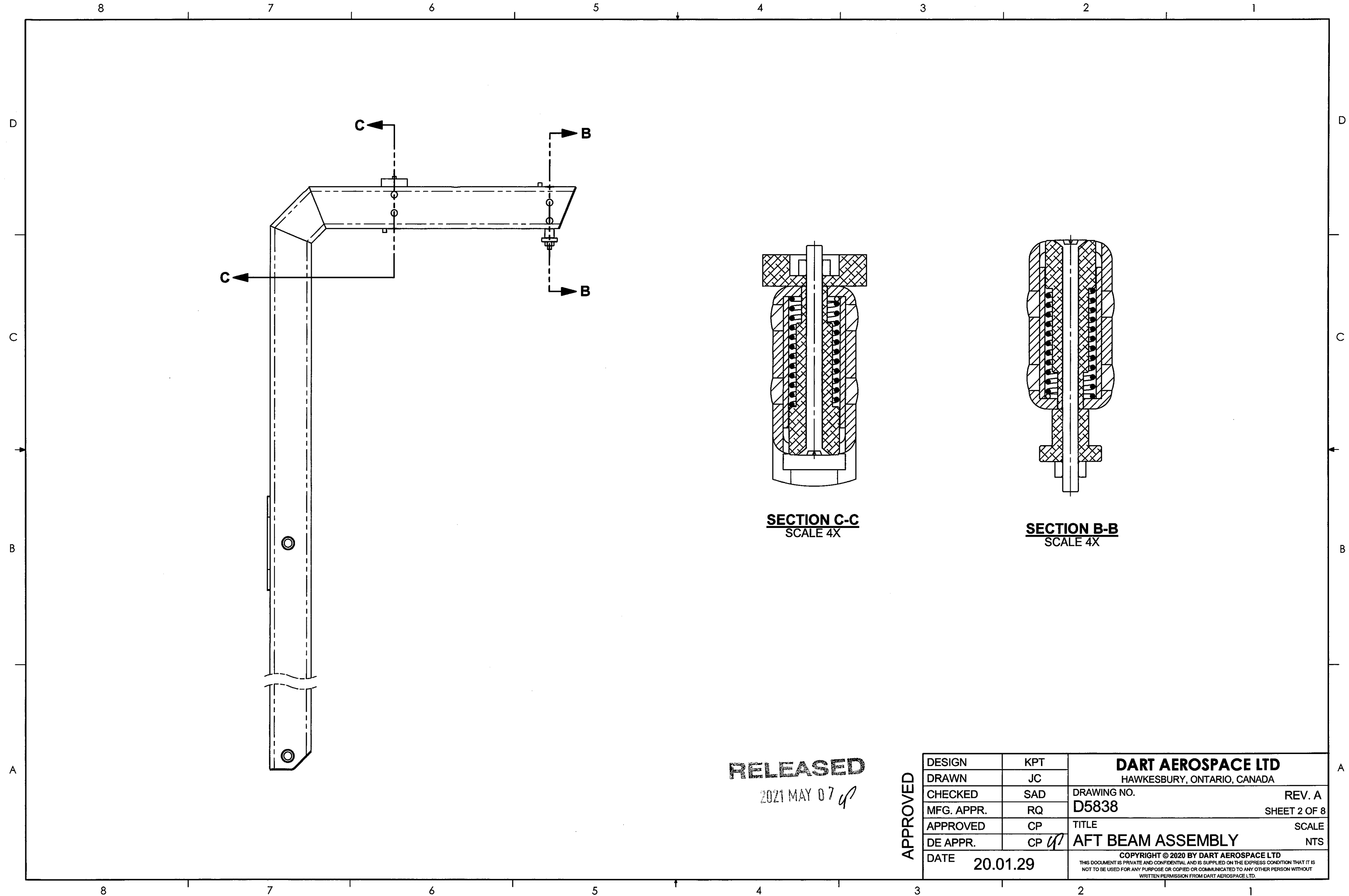
- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 9.65 lbs
 - 8) TORQUE TO 12-15 IN-LBS

RELEASED

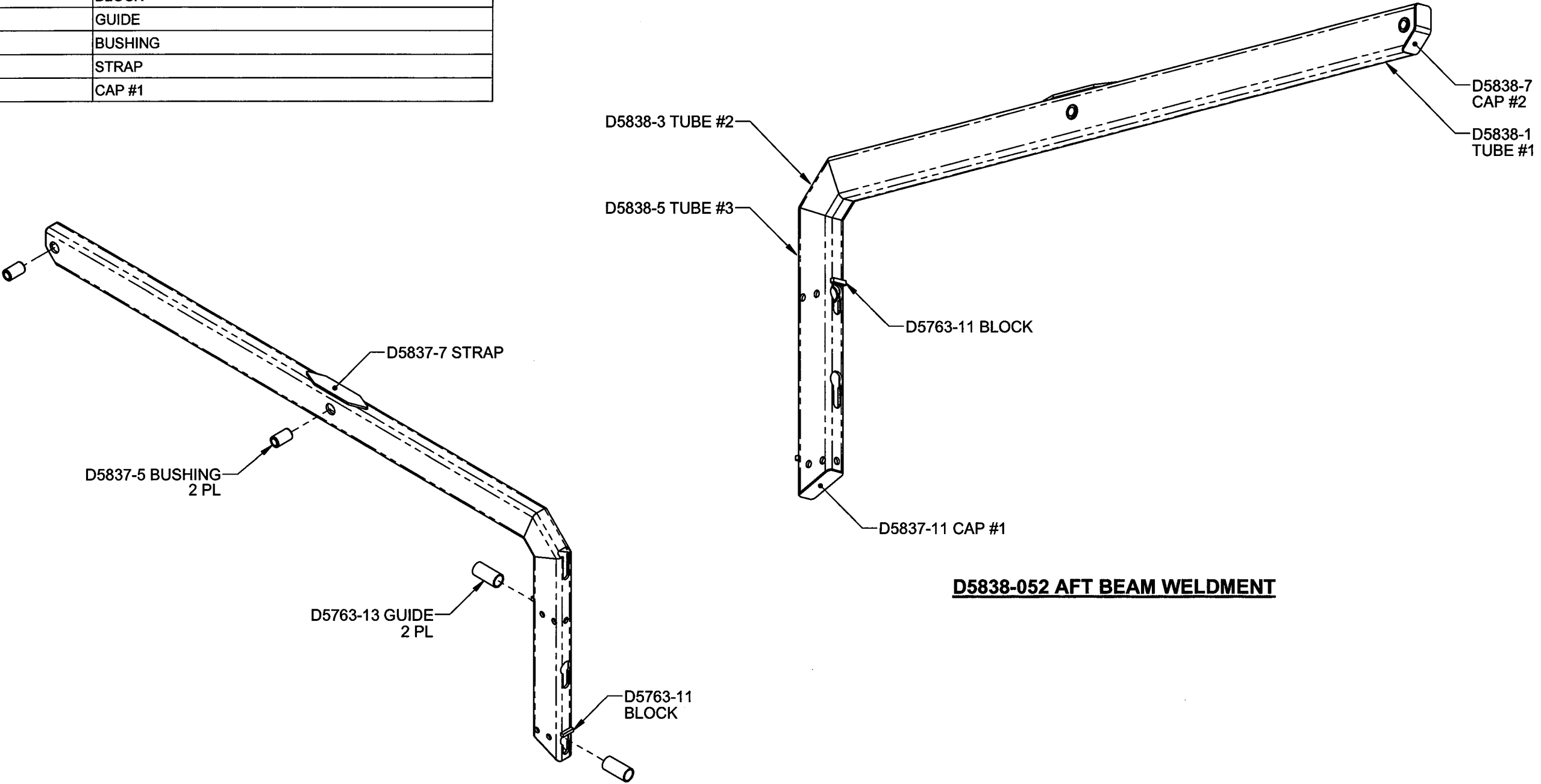
2021 MAY 07
HS ECR 21-137

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| | | | |
|------------|-------------|--|--------------|
| A | NEW ISSUE | JC | 20.01.29 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | KPT | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | JC | | |
| CHECKED | SAD | DRAWING NO. | REV. A |
| MFG. APPR. | RQ | D5838 | SHEET 1 OF 8 |
| APPROVED | CP | TITLE | SCALE |
| DE APPR. | CP | AFT BEAM ASSEMBLY | NTS |
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| QTY -052 | P/N | DESCRIPTION |
|-------------|-----------|-------------------|
| X | D5838-052 | AFT BEAM WELDMENT |
| 1 | D5838-1 | TUBE #1 |
| 1 | D5838-3 | TUBE #2 |
| 1 | D5838-5 | TUBE #3 |
| 1 | D5838-7 | CAP #2 |
| 2 | D5763-11 | BLOCK |
| 2 | D5763-13 | GUIDE |
| 2 | D5837-5 | BUSHING |
| 1 | D5837-7 | STRAP |
| 1 | D5837-11 | CAP #1 |



D5838-052 AFT BEAM WELDMENT

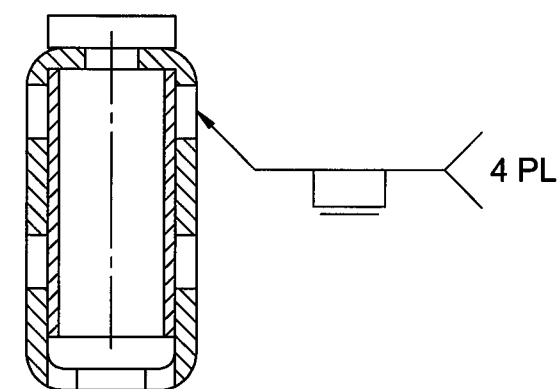
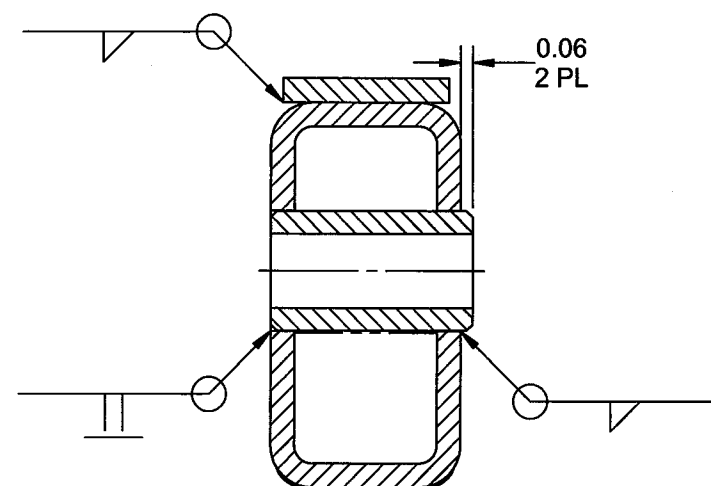
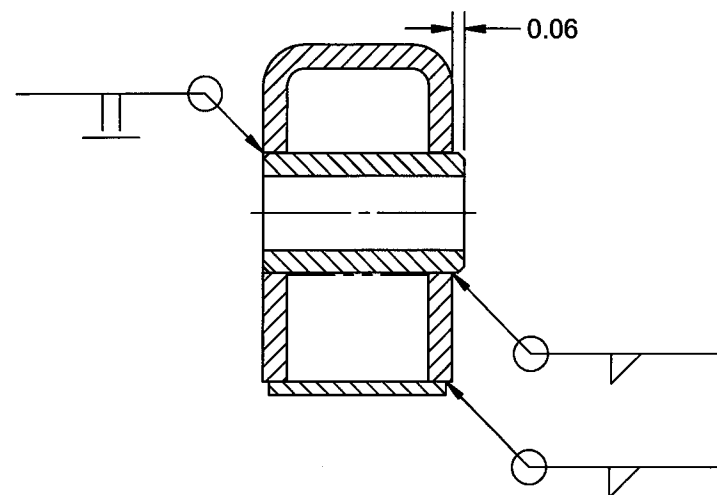
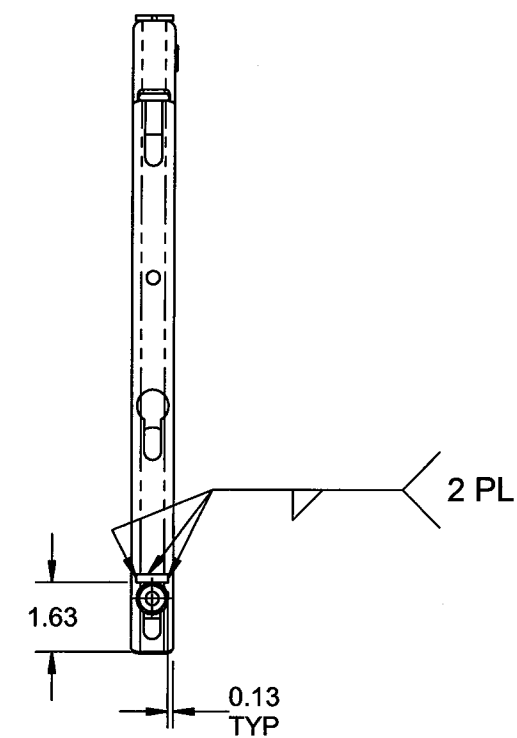
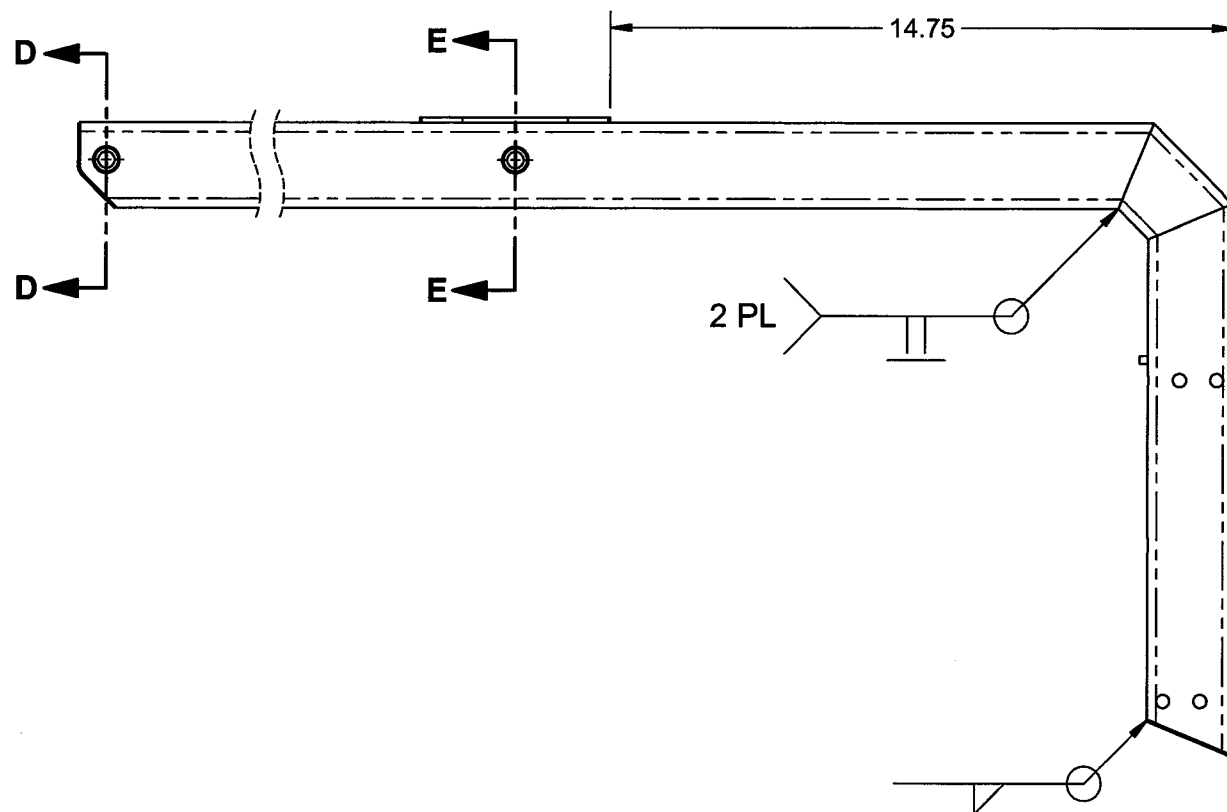
NOTES:
1) MATERIAL: N/A
2) FINISH: WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
3) TOLERANCES: TOLERANCES PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: PER DART QSI 044
7) WEIGHT: 9.47 lbs
8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS

RELEASED

2021 MAY 07 *up*

APPROVED

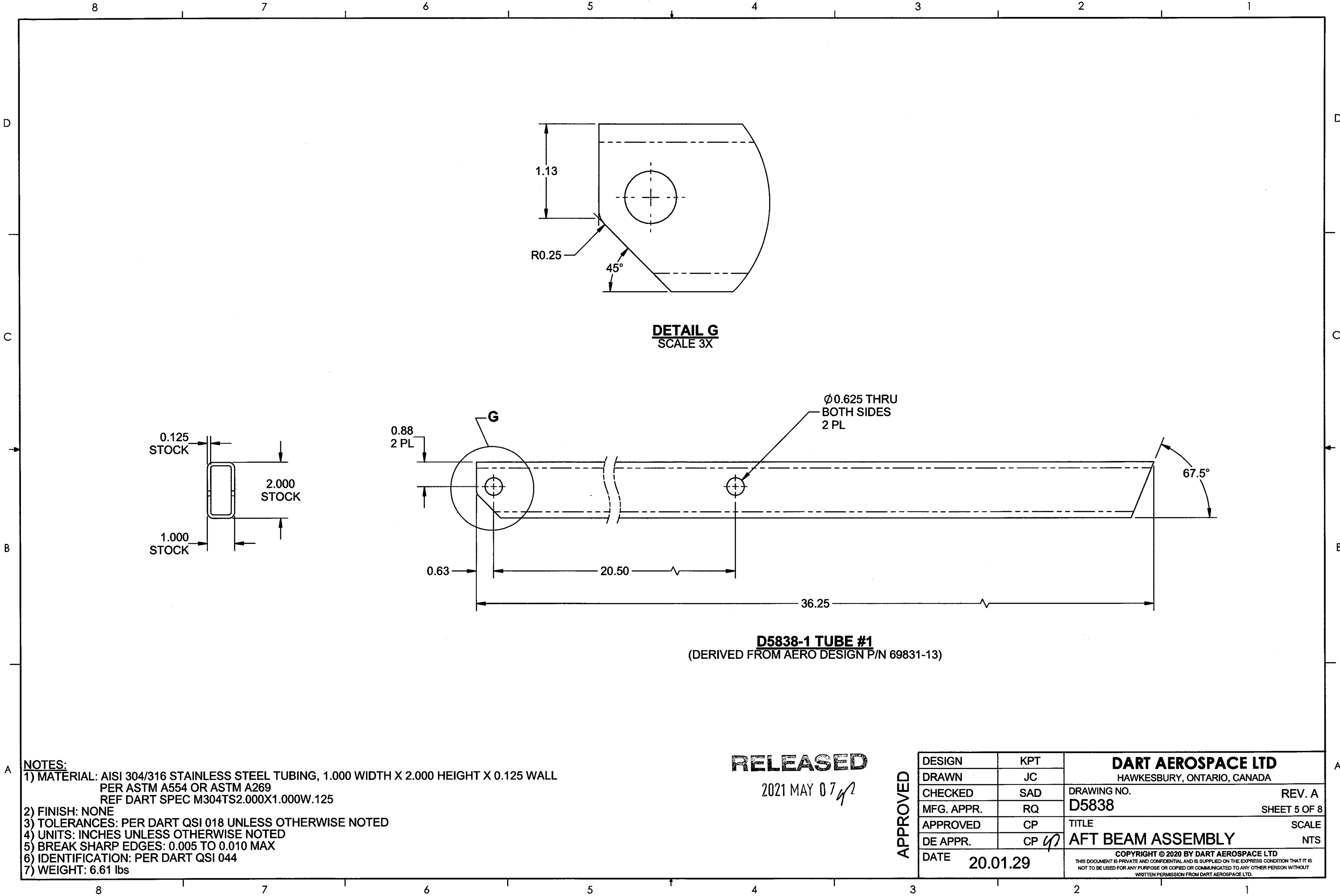
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| DESIGN | KPT | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | JC | | |
| CHECKED | SAD | DRAWING NO. | REV. A |
| MFG. APPR. | RQ | D5838 | SHEET 3 OF 8 |
| APPROVED | CP | TITLE | SCALE |
| DE APPR. | CP <i>up</i> | AFT BEAM ASSEMBLY | NTS |
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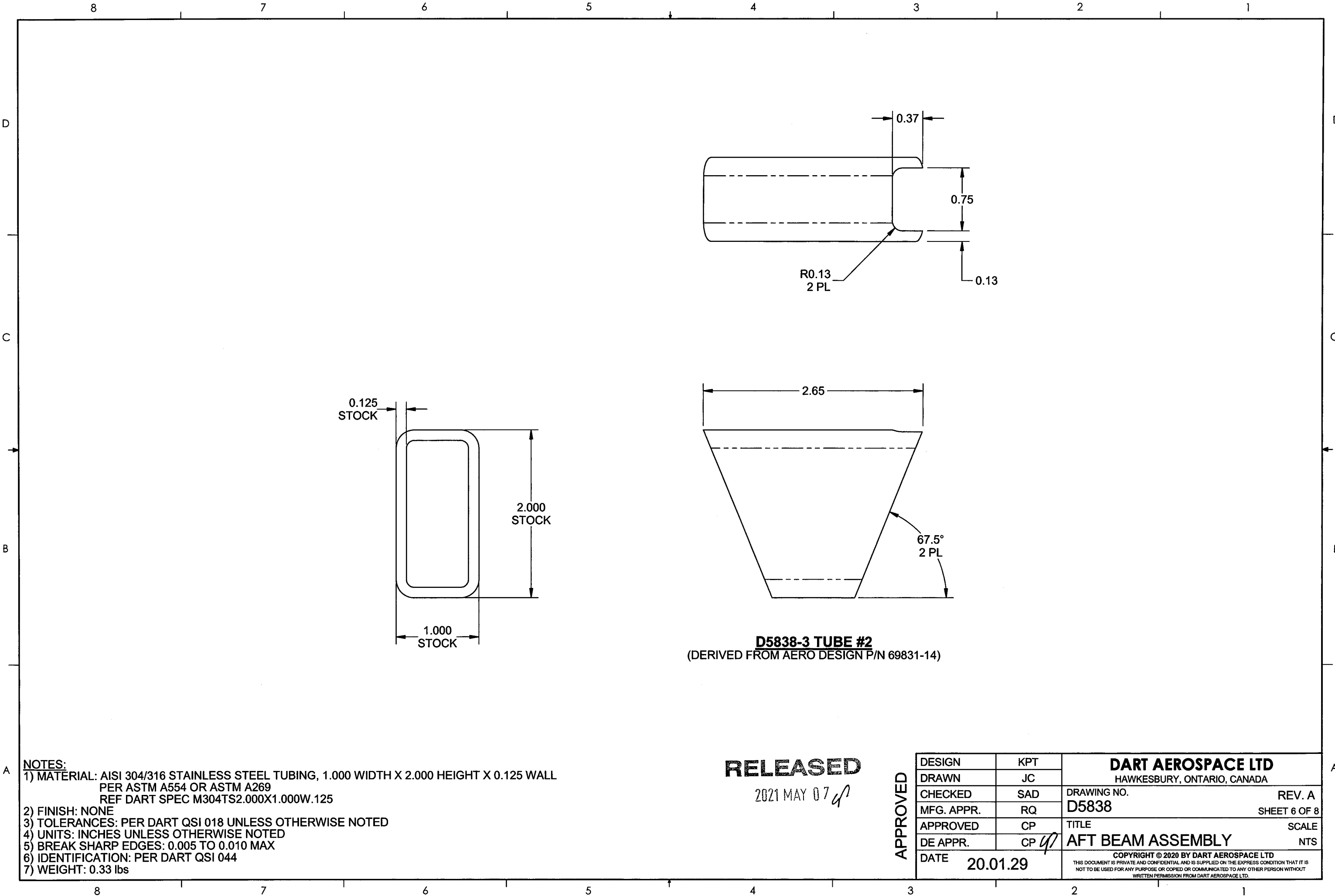


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2021 MAY 07 *g*

SECTION F-F
SCALE 4.5X
2 PL

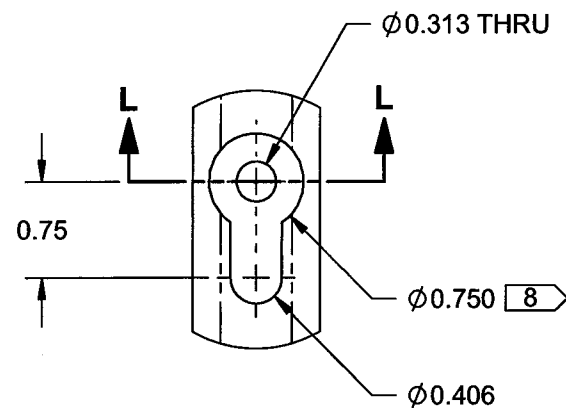
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| | DRAWN | JC | | |
| | CHECKED | SAD | DRAWING NO. | REV. A |
| | MFG. APPR. | RQ | D5838 | SHEET 4 OF 8 |
| | APPROVED | CP | TITLE | SCALE |
| | DE APPR. | CP <i>CP</i> | AFT BEAM ASSEMBLY | NTS |
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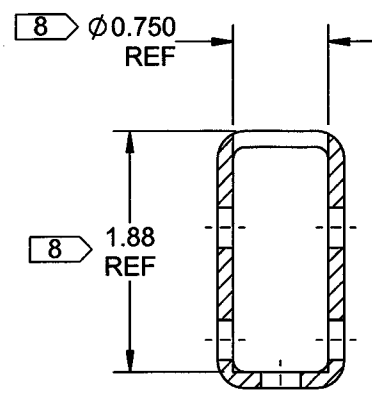


NOTES:

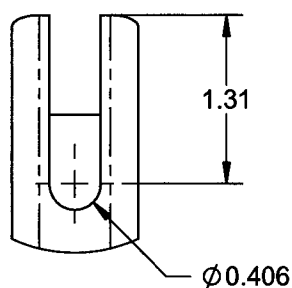
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.33 lbs



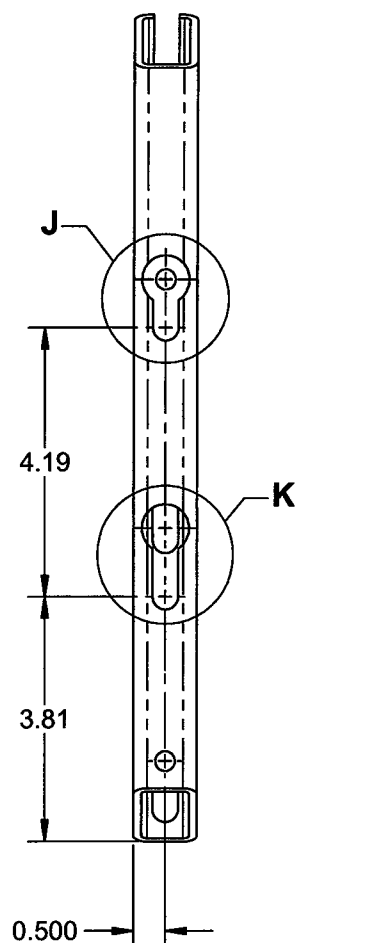
DETAIL J
SCALE 2X
2 PL



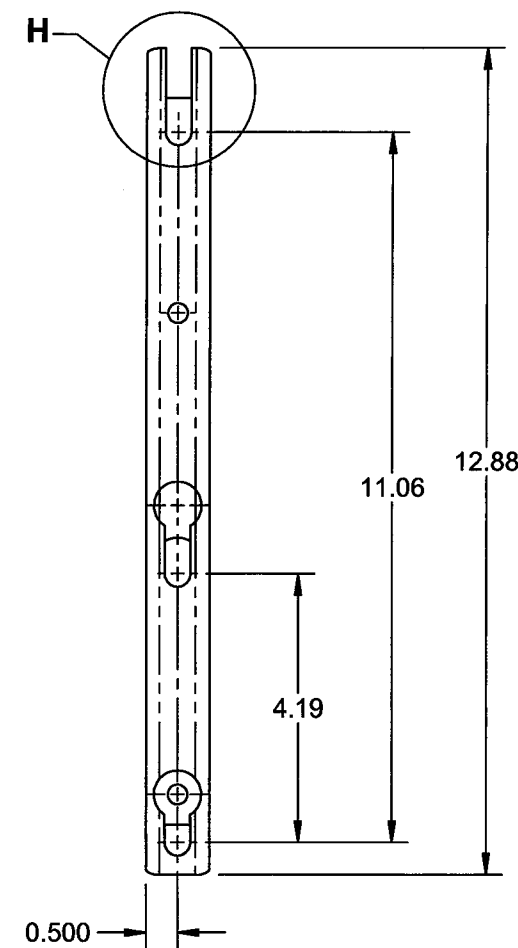
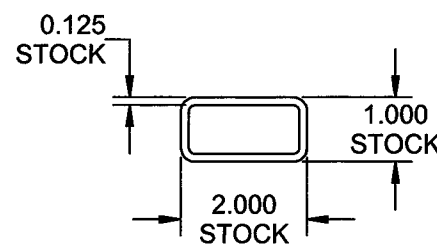
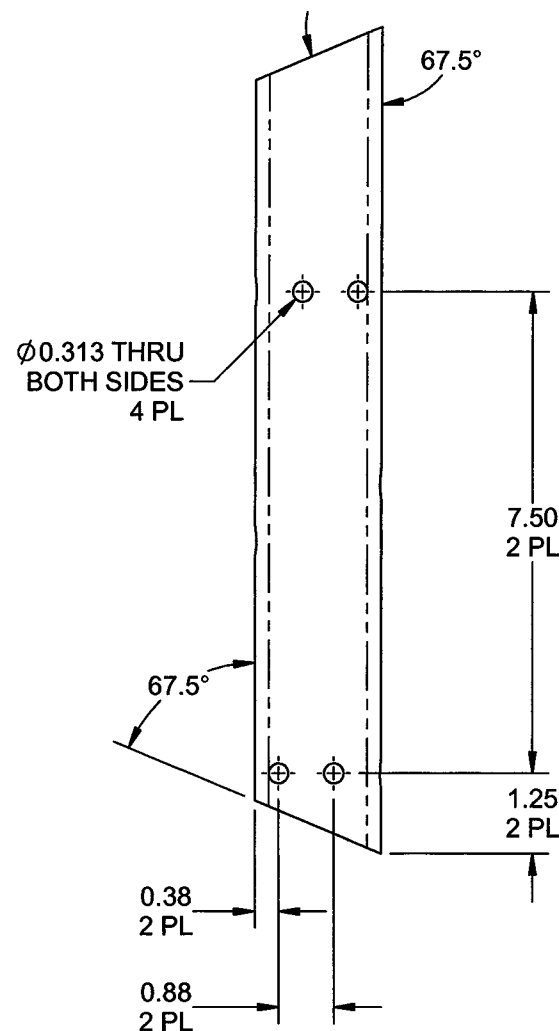
SECTION L-L



DETAIL H
SCALE 2X



DETAIL K
SCALE 2X
2 PL



D5838-5 TUBE #3
(DERIVED FROM AERO DESIGN P/N 69831-14)

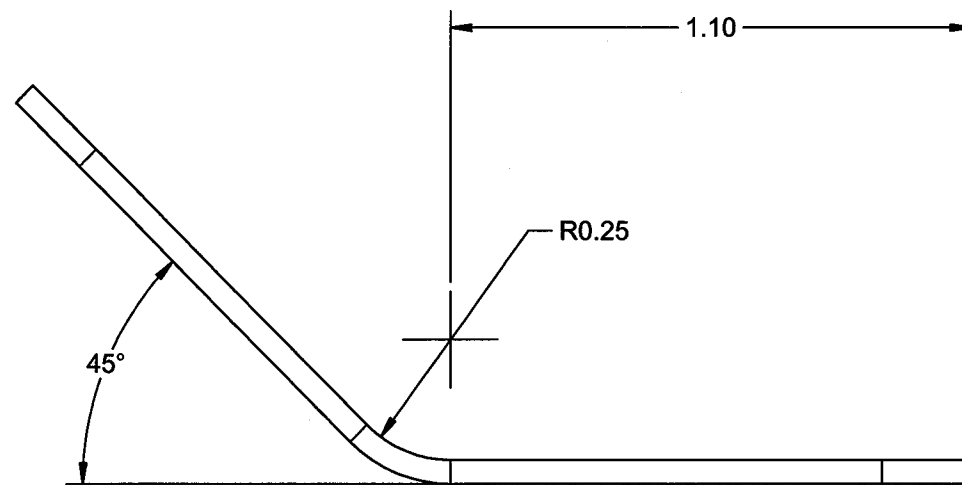
- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 2.10 lbs
 - 8) SPOTFACE 0.005-0.010 DEEP FROM INSIDE SURFACE OF TUBE

RELEASED

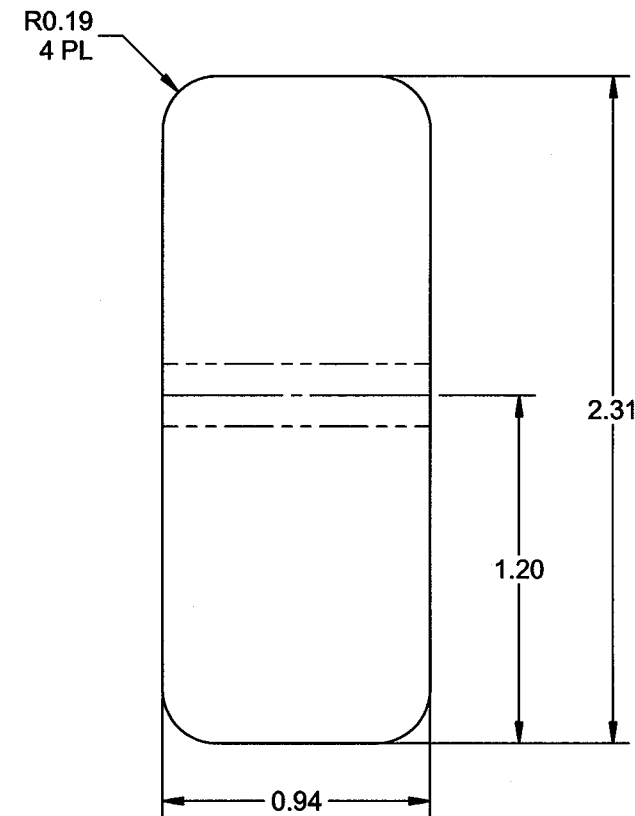
2021 MAY 07

APPROVED

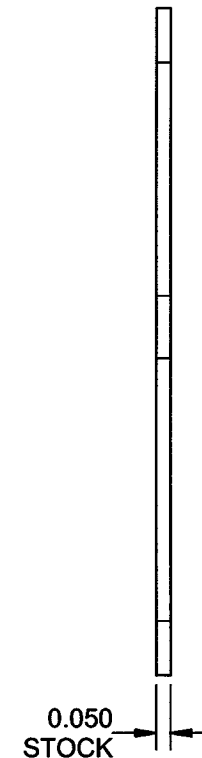
| | | | |
|------------|----------|--|--------------|
| DESIGN | KPT | DART AEROSPACE LTD | |
| DRAWN | JC | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | SAD | DRAWING NO. | REV. A |
| MFG. APPR. | RQ | D5838 | SHEET 7 OF 8 |
| APPROVED | CP | TITLE | SCALE |
| DE APPR. | CP | AFT BEAM ASSEMBLY | NTS |
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D5838-7 CAP #2
(DERIVED FROM AERO DESIGN P/N 69831-20)
(MAKE FROM D5838-7F)



D5838-7F FLAT PATTERN



NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.03 lbs

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2021 MAY 07 *up*

APPROVED

| | | | |
|------------|--------------|--|--------------|
| DESIGN | KPT | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | JC | | |
| CHECKED | SAD | DRAWING NO. | REV. A |
| MFG. APPR. | RQ | D5838 | SHEET 8 OF 8 |
| APPROVED | CP | TITLE | SCALE |
| DE APPR. | CP <i>up</i> | AFT BEAM ASSEMBLY | NTS |
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